

## REMARKS

The Examiner objected to claim 1, indicating that in line 1 “protocols” should be “protocol” (singular) to comply with the written description. Since the title has “PROTOCOLS”, page 1 line 6 has “protocols”, the Abstract has “protocols” and the purpose of the invention is to be able to decode multiple protocols in a more efficient manner in a single decoder device, Applicant fails to understand the Examiner’s objection. The claim language – “analyzing communication protocols” – is deemed to comply with the written description. Therefore Applicant requests that the Examiner’s objection be withdrawn.

The Examiner rejected claims 1-5 under 35 U.S.C. 102(b) as being anticipated by Baker et al (“Baker”) or Holzmann. Applicant respectfully traverses this improper and nonobvious conclusion by the Examiner.

The Examiner equates the network data files **20** and protocol description files **22** in conjunction with the analysis control logic **16** of Baker to the “generic decoder” and “specific decoder” recited in claim 1. Baker indicates that a “data storage device **14** may include a data file **20** of network frames having n protocol data records” and that “[P]rotocol description files **22** also may be stored in the data storage device **14**.” This is not equivalent to having n different protocols. Baker further indicates that the “control logic **16** is capable of retrieving a subset of network frames from the input devices **12** or data files **20** which satisfy one or more criteria based upon extracted field values and filtering criteria contained in one or more of the protocol description files **22**.” It would appear from this description in Baker that there is only a specific decoder that decodes either network frames from the input device or

network frames from the data file (previously stored network frames) for decoding according to the protocol description files. Baker provides “a network interface system having a configurable protocol analysis capability with common control logic applicable to many different network devices.” This is not comparable to being adaptable for analyzing many different protocols. There is no indication that the protocol description files of Baker represent “a limited number of protocol descriptions”, i.e., different protocols as opposed to configurable analysis according to a single protocol, as recited by Applicant in claim 1. At best Baker corresponds to Applicant’s recited “specific decoder designed for a certain protocol description.” Therefore Baker does not teach or suggest a generic decoder as recited in claim 1. Thus claims 1-5 are deemed to be allowable as being neither anticipated nor rendered obvious to one of ordinary skill in the art by Baker.

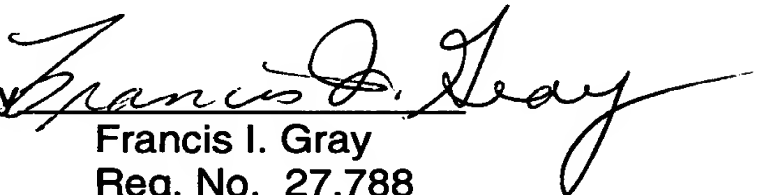
Holzmann describes communication via a general protocol that “includes a first general protocol message which includes a protocol description for a specific protocol.” A protocol apparatus interprets “the included protocol description and thereby to execute the specific protocol.” The Examiner equates the protocol execution device **207** that “executes the protocol by executing the protocol instructions in protocol description **203**” of Holzmann to the “general decoder” recited by Applicant in claim 1 and the protocol description that may be contained in memory **309** “for the protocol currently being executed by protocol apparatus [instruction interpreter **209**] **309**” of Holzmann to the “specific decoder” recited by Applicant in claim 1. Again Holzmann does not have a generic decoder “into which a limited number of protocol descriptions may be loaded” as Holzmann carries the specific protocol description as a message within the general protocol message.

The protocol execution device **207** executes the protocol by executing the protocol instructions in the single protocol description via protocol instruction interpreter **209**. There is no general decoder having a number of protocol descriptions in Holzmann, only a specific decoder that executes a specific protocol. Thus claims 1-5 are deemed to be allowable as being neither anticipated nor rendered obvious to one of ordinary skill in the art by Holzmann.

In view of the foregoing remarks allowance of claims 1-5 is urged, and such action and the issuance of this application are requested.

Respectfully submitted,

WOLFGANG BARTSCH

By   
Francis I. Gray  
Reg. No. 27,788  
Attorney for Applicants

TEKTRONIX, INC.  
P.O. Box 500 (50-LAW)  
Beaverton, OR 97077  
(503) 627-7261

7108 US